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Total Number of Pages in This Submission:

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|----------------------|------------------------|
| Application Number | 10/697,387 |
| Filing Date | October 30, 2003 |
| First Named Inventor | Masahide Onishi et al. |
| Art Unit | 2862 |
| Examiner Name | Bot L. Ledynh |
| Attorney Docket No. | MAT-8480US |

ENCLOSURES (Check all that apply)

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Remarks:

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

| | | | |
|--------------------|--------------------|-----------------------------------|--------|
| Firm or Individual | Lawrence E. Ashery | Registration No. (Attorney/Agent) | 34,515 |
| Signature | | | |
| Date | November 12, 2004 | | |

CERTIFICATE OF TRANSMISSION / MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

November 12, 2004

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November 12, 2004

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Appln. No.: 10/697,387
Amendment Dated November 12, 2004
Reply to Office Action of November 2, 2004

MAT-8480US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: 10/697,387
Applicants: Masahide Onishi et al.
Filed: October 30, 2003
Title: ROTATION ANGLE DETECTOR
TC/A.U.: 2862
Examiner: B. Ledynh
Confirmation No.: 7447
Docket No.: MAT-8480US

SUPPLEMENTAL RESPONSE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Communication dated November 2, 2004, Applicants' representative makes the following additional comments regarding newly added claims 7-9.

Newly-added claim 7 defines a rotation angle detector of claim 1, wherein said control unit determines that said at least one of said first and second detecting elements does not rotate properly if said difference between said first and second signals exceeds a predetermined value. This feature is disclosed in the specification as follows:

"More specifically, if the same waveform is output from first detecting unit 16 and second detecting unit 20 and if the absolute value of phase difference Δ between the waveforms does not exceed a predetermined value, control unit 23 determines that first detecting element 12 and second detecting element 17 rotates properly."

No new matter is added.

Newly-added claim 8 defines a rotation angle detector comprising:

- a rotor;